

# Notice of Allowability

## Application No.

09/587,581

## Examiner

Nathan Hillery

## Applicant(s)

BURCHHARDT ET AL.

## Art Unit

2176

### -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Appeal Brief, 12/06/04.
2. ☒ The allowed claim(s) is/are 1,2,4-12,14-20 and 22-30.
3. ☒ The drawings filed on 05 June 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                 |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>1/31/05</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                                   |
|   | 9. <input type="checkbox"/> Other _____   |

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David McKenzie on 2/1/05.

The application has been amended as follows: In the claims

1. (Currently Amended) A computer-implemented method for representing transaction processing system messages as XML documents, the method comprising:  
generating an XML document template from a transaction processing system message definition, the message definition representative of the syntax and semantics for messages exchanged with the transaction processing system; and

merging a transaction processing system message with the generated template to produce a corresponding XML document; and

wherein generating an XML document template comprises:

obtaining a transaction processing system message definition;

obtaining a DTD for representing arbitrary transaction processing system message definitions; and

parsing the transaction processing system message definition using the DTD to generate an XML document template corresponding to the transaction processing system message definition.

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2. (Currently Amended) ~~The method of claim 1, wherein the generating step~~  
~~comprises~~ A computer-implemented method for representing transaction processing  
system messages as XML documents, the method comprising:

generating an XML document template from a transaction processing system  
message definition, the message definition representative of the syntax and semantics  
for messages exchanged with the transaction processing system;

merging a transaction processing system message with the generated template  
to produce a corresponding XML document; and

wherein generating an XML document template comprises:

obtaining a transaction processing system message definition;

obtaining a DTD for representing arbitrary transaction processing system  
message definitions;

compiling the transaction processing system message definition with an  
option configured to produce an associated data (Adata) file; and

parsing the Adata file using the DTD to generate an XML document  
template corresponding to the transaction processing system message definition.

11. (Currently Amended) A system for representing transaction processing  
system messages as XML documents, the system comprising:

a processor;

a template generation module configured to generate an XML document  
template from a transaction processing system message definition, the message

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definition representative of the syntax and semantics for messages exchanged with the transaction processing system; and

a merging module configured to merge a transaction processing system message with the generated template to produce a corresponding XML document; and  
wherein the template generation module comprises:

a parser configured to obtain a DTD for representing arbitrary transaction processing system message definitions and parse the transaction processing system message definition using the DTD to generate an XML document template corresponding to the transaction processing system message definition.

12. (Currently Amended) ~~The system of claim 11, wherein the template generating module comprises~~ A system for representing transaction processing system messages as XML documents, the system comprising:

a processor;

a template generation module configured to generate an XML document template from a transaction processing system message definition, the message definition representative of the syntax and semantics for messages exchanged with the transaction processing system;

a merging module configured to merge a transaction processing system message with the generated template to produce a corresponding XML document; and  
wherein the template generation module comprises:

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a compiler configured to compile a transaction processing system message definition with an option configured to produce an associated data (Adata) file; and

a parser configured to parse the Adata file using a DTD for representing arbitrary transaction processing system message definitions to generate an XML document template corresponding to the transaction processing system message definition.

22. (Currently Amended) ~~The article of claim 2-1, wherein the generating step comprises~~ An article of manufacture comprising a program storage medium readable by a processor and embodying one or more instructions executable by the processor to perform a computer-implemented method for representing transaction processing system messages as XML documents, the method comprising:

generating an XML document template from a transaction processing system message definition, the message definition representative of the syntax and semantics for messages exchanged with the transaction processing system;

merging a transaction processing system message with the generated template to produce a corresponding XML document; and

wherein the generation step comprises:

obtaining a transaction processing system message definition;

obtaining a DTD for representing arbitrary transaction processing system message definitions;


compiling the transaction processing system message definition with an option configured to produce an associated data (Adata) file; and  
parsing the Adata file using the DTD to generate an XML document template corresponding to the transaction processing system message definition.

***Cancel claims 3, 13, and 21.***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan Hillery whose telephone number is (571) 272-4091. The examiner can normally be reached on M - F, 10:30 a.m. - 7:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
**JOSEPH FEILD**  
**SUPERVISORY PATENT EXAMINER**